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current

05 July 61

DATA SHEET NO 1

TEST NO. 1 DATE 3/28/61 MODEL 1 UNIT, Serial No. 4
BLOWER WHEEL DIAM. 15½ in. SPEED 2900? rpm
ELEVATION OF UNIT, 310 FT ABOVE SEA LEVEL
AMBIENT AIR TEMP. DURING TEST, 68 F, AVERAGE
BAROMETRIC PRESSURE, actual 29.79 mm or in. Hg
" " corr. to sea level 29.79 mm or in. Hg
AIR FLOW CHECK IN COLD UNIT WITH FULL OPEN DAMPER,
1. Before burning test begins, Plenum chamber pressure ~~5.0~~ 4.6 in H_2O
2. After burning stops, " " " ~~4.6~~ in H_2O
INITIAL CHARGE OF PAPER, 51 lb, including types 1
TYPES OF PAPER USED, (1) Tom Office Files (2)
(3) (4) (5)

File: Model 1 Inc

CLOCK TIME	WEIGHT AND TYPE OF PAPER FED	PEAK STATIC PRESSURE IN. H_2O	FLUE-GAS TEMPERATURE, F		DAMPER SETTING	OBSERVATIONS AND COMMENTS
			PEAK	LOWEST		
1430	51 lbs	5.0	620	400	LAST NOTCH	
1437	3	5.1	900	500	" "	
1440	9	5.8	1240			
1500	FINAL	BURNOUT	— CONSIDERABLE FLY ASH			
			AND SMOKE (EFFLUENT) DURING			
			BURNING.			

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250 ... at 60 cycle current

DATA SHEET NO 1

TEST NO. 2 DATE April 5, 1961 MODEL 1 UNIT, Serial No. 4
BLOWER WHEEL DIAM. 15½ in. SPEED 2900? rpm
ELEVATION OF UNIT, 380 FT ABOVE SEA LEVEL
AMBIENT AIR TEMP. DURING TEST, ~~72~~ F, AVERAGE
BAROMETRIC PRESSURE, actual 29.76 mm or in. Hg
" " corr. to sea level 29.76 mm or in. Hg
AIR FLOW CHECK IN COLD UNIT WITH FULL OPEN DAMPER,
1. Before burning test begins, Plenum chamber pressure ~~6.7~~ in. H_2O
2. After burning stops, " " " ~~6.8~~ in H_2O
INITIAL CHARGE OF PAPER, 102 lb, including types 1 ___ ___
TYPES OF PAPER USED, (1) Town Office Files (2) ___
(3) ___ (4) ___ (5) ___

CLOCK TIME	WEIGHT AND TYPE OF PAPER FED	PEAK STATIC PRESSURE IN. H_2O	FLUE-GAS TEMPERATURE, F		DAMPER SETTING	OBSERVATIONS AND COMMENTS
			PEAK	LOWEST		
1508	102 lbs	8.1	1600	500	OPEN	19 bags
1515	~~54~~ lbs	6.8	1400		~~3~~ LAST NOTCH	~~1~~ 12 bags
1530	FINAL BURN OUT					

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380 unit sound measurement

DATA SHEET NO 1

TEST NO. 3 DATE April 6, 19__ MODEL 1 UNIT, Serial No. 4
BLOWER WHEEL DIAM. 15½ in. SPEED 2900? rpm ~~3800 to 4000~~
ELEVATION OF UNIT, 380 FT ABOVE SEA LEVEL
AMBIENT AIR TEMP. DURING TEST, 71 F, AVERAGE
BAROMETRIC PRESSURE, actual 29.72 mm or in. Hg
" " corr. to sea level 29.72 mm or in. Hg
AIR FLOW CHECK IN COLD UNIT WITH ~~FULL OPEN DAMPER~~ #4, #3
1. Before burning test begins, Plenum chamber pressure 5.2 in H_2O
2. After burning stops, " " " 5.4 in H_2O
INITIAL CHARGE OF PAPER, 54 lb, including types 1 2
TYPES OF PAPER USED, (1) Tan Office Files (2) 3x5 Cards
(3) _____ (4) _____ (5) _____

CLOCK TIME	WEIGHT AND TYPE OF PAPER FED	PEAK STATIC PRESSURE IN. H_2O	FLUE-GAS TEMPERATURE, F		DAMPER SETTING	#3 OBSERVATIONS AND COMMENTS
			PEAK	LOWEST		
1048	54	8.1	1800	300	FULL OPEN	19 bags
1056	120	7.1-8.3	1500	600	" "	12 bags
1100	23.5	8.3-7.6	1520	440	" "	8 bags
1104	34	8.3	1580	440	" "	9 bags
1109	27	8.3-	1580	000	FULL-3/4	11 bags
1117	27	7.6	1220	200	3/4	8 bags #2
120	42	7.9	1000	500	3/4	8 bags
1125	59.5	8.6-7.0	1200	200	Full-3/4	10 bags
1131	50.5	5.6	1060	360	3/4	10 bags
1138	74	6.4	1280	400	3/4	9 bags
1148	53	6.3-8.6	1280	380	3/4-F-3/4	9 bags
1155	76	8.1	1280	380	F-3/4	9 bags
1208	76	7.6	1280	380	3/4	7 bags
1215	72	7.8	1260	420	3/4	11 bags
1223	51	7.6	1600	420	3/4	9 bags
1232	38	7.6	1200	400	3/4	10 bags
1237	65	8.3	1380	400	3/4	10 bags

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DATA SHEET NO 2 TEST NO. 3

CLOCK TIME	WEIGHT AND TYPE OF PAPER FED	PEAK STATIC PRESSURE IN. H_2O	FLUE-GAS TEMPERATURE, F		DAMPER SETTING	OBSERVATIONS AND COMMENTS
			PEAK	LOWEST		
1243	62 lbs	8.6	980	400	3/4 FULL	10 bags
1249	69 lbs	8.2	1320	300	FULL	10 bags
1258	61 lbs	8.0	1360	400	FULL	9 bags
1311	49 lbs	9.0	1530		FULL	12 bags LAST CHARGE
1319		6.4		300	3/4	
1323	Burnout 100% Complete					

WEIGHT OF ALL PAPER BURNED IN TEST _____ LB

TIME FROM START TO BURNOUT _____ MIN., AVERAGE BURNING RATE _____ LB/HR

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DATA SHEET NO 1

TEST NO. 1 DATE April 18, 1961 MODEL 1 UNIT, Serial No. 3
BLOWER WHEEL DIAM. 15½ in. SPEED 3525 rpm
ELEVATION OF UNIT, 4416 FT ABOVE SEA LEVEL
AMBIENT AIR TEMP. DURING TEST, ____ F, AVERAGE
BAROMETRIC PRESSURE, actual ____ mm or in. Hg
" " corr. to sea level 30.12 mm or in. Hg
AIR FLOW CHECK IN COLD UNIT WITH ~~FULL OPEN DAMPER~~, #1
1. Before burning test begins, Plenum chamber pressure 4.1 in H_2O
2. After burning stops, " " " 4.1 in H_2O
INITIAL CHARGE OF PAPER, 33¼ lb, including types 1 2
TYPES OF PAPER USED, (1) Teletype Tapes (2) Typing Paper
(3) ____ (4) ____ (5) ____

CLOCK TIME	WEIGHT AND TYPE OF PAPER FED	PEAK STATIC PRESSURE IN. H_2O	FLUE-GAS TEMPERATURE, F		DAMPER SETTING	OBSERVATIONS AND COMMENTS
			PEAK	LOWEST		
0926	33¼ lb	Not operating			OPERATE	#1
0940	100%	Burnout achieved				
	Thermocouple failed to register temperature readings.					
	Smoke & odor backed into room. Too large of a gap around the stack where stack enters brick stack. Must be closed.					

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11. Br 1 0 cycle

DATA SHEET NO 1

TEST NO. 2 DATE April 18, 1961 MODEL 1 UNIT, Serial No. 3
BLOWER WHEEL DIAM. 15½ in. SPEED 3525 rpm
ELEVATION OF UNIT, 4416 FT ABOVE SEA LEVEL
AMBIENT AIR TEMP. DURING TEST, 61 F, AVERAGE
BAROMETRIC PRESSURE, actual _____ mm or in. Hg
" " corr. to sea level 29.92 mm or in. Hg

#1 AIR FLOW CHECK IN COLD UNIT WITH FULL OPEN DAMPER.
1. Before burning test begins, Plenum chamber pressure 4.1 in H_2O
2. After burning stops, " " " 4.1 in H_2O

INITIAL CHARGE OF PAPER, 21.8 ~~kilo~~ lb, including types 1 ___ ___
TYPES OF PAPER USED, (1) Soap Files (2) books
(3) _____ (4) _____ (5) _____

CLOCK TIME	WEIGHT AND TYPE OF PAPER FED	PEAK STATIC PRESSURE IN. H_2O	FLUE-GAS TEMPERATURE, F		DAMPER SETTING	OBSERVATIONS AND COMMENTS
			PEAK	LOWEST		
1710	21.8 kilo	5.4	~~900~~	300	OPER	
1715	7.6 kilo	6.2	1400	300	"	
1718	9.8	5.8	1100	200	"	
1723	11.8	6.0	1180	300	"	
1726	22.8 (2)	5.3	580	420	"	Archives (5 ledgers)
1733	10.4	6.8	1500	200	"	
1738	5.5	5.6	900	200	"	
1743	20.2 (2)	5.6	800	~~580~~	"	
	2.0 same tem as above			~~400~~	"	
1746	20.2 (2)	6.2	~~860~~ 960	400	"	
1800	7.4	~~5.8~~	1100			last charge
1820	Burning completed					
	~~140.6~~					
	140.6 = 309.32 lbs					

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11-11 Dr L Dimla

Data Sheet No 1

Test No. 3 Date April 19, 1961 Model 1 Unit, Serial No. 3

Blower Wheel Diam. 15½ in. Speed 3525 rpm.

Elevation of Unit 4416 ft. above sea level

Ambient Air Temp. During Test, 60 F., Average

Barometric Pressure, actual [illegible] mm or in Hg.

" " corr. to sea level 29.8 mm or in Hg.

Air Flow Check in Cold Unit with Full Open Damper

1 Before burning test begins, 5.0

2 [illegible] 5.2

Initial Charge of Paper 131.78 Lb., including [illegible]

Clock Time	Weight and Type of Paper Fed	Peak Static Pressure in H_2O	Flue-Gas Temperature, F		Damper Setting	Observations and Comments
			Peak	Lowest		
1043	131.78	5.6	640		OPER.	
1050	5.94	5.9				
1051-1140	235.18				This	235.18 pounds
1140	LAST CHARGE				broken	down into the
1145	STIRRED				follow	increments (kg.).
1150	"					8.4
1154	"					5.6
1200	"					1.9 8.1
	169.5 kg or 373 pounds					18.6 2.1
1215	Final burnout					2.2 106.9
						11.5
						11.7
						14.0
						18.0
						5.4

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AA. Wahl & Dayela

DATA SHEET No 1

TEST NO. 4 DATE April 20 MODEL 1 UNIT, SERIAL NO. 3

BLOWER WHEEL DIAM. 15½ IN. SPEED 3525 RPM

ELEVATION OF UNIT 4416 FT. ABOVE SEA LEVEL

AMBIENT AIR TEMP. DURING TEST, 61 F, AVERAGE

BAROMETRIC PRESSURE, ACTUAL _____ mm OR IN. Hg.

" " CORR. TO SEA LEVEL 29.7 mm OR IN. Hg.

AIR FLOW CHECK IN COLD UNIT WITH FULL OPEN DA

1 Before burning test began 5.0

2 Ofte [redacted] 5.2

INITIAL CHARGE OF PAPER 131.78 LB, INCLUDING ROLL 1

CLOCK TIME	WEIGHT AND TYPE OF PAPER FED	PEAK STATIC PRESSURE IN H_2O	FLUE-GAS TEMPERATURE, F		DAMPER SETTING	OBSERVATIONS AND COMMENTS
			PEAK	LOWEST		
	10.2 kg	burned in	15 minutes			
	10.2 kg = 22.44 pounds.					

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